

Technical Data (Equipment)

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NOTE

The technical data assume 17.5-25 12 PR tire specs.

11.1 Equipment

- Height	3100 mm
- Width	2460 mm
- Wheelbase	2200 mm
- Track	1980 mm
- Operating weight without attachments	10455 kg
- Clearance	
- Differential	440 mm
- Turning circle (via rear with four-wheel-drive)	4300 mm
- Turning angle	35 +/- °
- Swing angle	10 +/- °
- Gradient	33 °
- Climbing capacity with working load restricted to due to maximum permissible tilt of engine	60 %
- Max. trailer load with max. vertical load on coupling point 250 kg	
- braked	3500 kg
- unbraked	750 kg
- Max. lifting force	69 kN
- Max. thrust	81 kN

11.2 Engine

- Liquid cooled diesel engine	
- 4 cylinder, 4 stroke, direct fuel injection	
- Capacity	4038 cm ³
- Power corresponding to ISO 1585	98 kW bei 2300 min ⁻¹
- Exhaust gas emission corresponding to RL 97/68 EC Step 1 + EPA	

11.3 Starter

-	4,0 kW, 24 V
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11.4 Alternator

-	55 A, 28 V
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11.5 Hydrostatic transmission

Type "20 km/h"

1st gear	
- Step I	0.....5 km/h
- Step II	0.....8,5 km/h
2nd gear	
- Step I	0...11,5 km/h
- Step II	0.....20 km/h

Type " 25 km/h"

1st gear	
- Step I	0.....5 km/h
- Step II	0...10,5 km/h
2nd gear	
- Step I	0....11,5 km/h
- Step II	0.....25 km/h

Type " 40 km/h"

Alpha max. (Turtle symbol)	0.....5 km/h
1st gear	0....11,5 km/h
2nd gear	0.....40 km/h

11.6 Axle loads

- max road legal axle load	- front	7000 kg
	- back	7500 kg
- max. road legal gross weight		11500 kg

11.7 Tires

The following tires are permitted:

- Size		17.5 - 25
- Pressure	- front	3,0 bar
	- back	3,0 bar
- Size		17.5 R 25
- Pressure	- front	3,0 bar
	- back	3,0 bar
- Size		455/70 R 24
- Pressure	- front	4,5 bar
	- back	3,0 bar
- Size		550/65 R 25
- Pressure	- front	2,2 bar
	- back	2,2 bar

11.8 Steering

- Four-wheel (switchable to rear-wheel mode)	
- hydrostatic via priority valve	
- Max. pressure	175 bar

11.9 Brakes

- Service brakes: Hydraulic pump servo brake system (wet multiple disk brake on front and rear axle). Inching available on initial pedal depress.
- Parking brake: wet spring loaded multiple disk brake on rear axle.

11.10 Electrical subsystem

- Battery	2 x 88 Ah
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11.11 Hydraulic subsystem

- Volume 160 l
- Hydraulic oil reservoir 115 l

11.11.1 Main hydraulics

- Output flow pump I (priority valve controlled) 87 l/min
- Output flow pump II (via swivel assembly and accumulator valve) 38 l/min
- Total flow output 125 l/min
- Operating pressure max. 230 bar
- 2 lift cylinders Ø 100/70 mm
- 2 tilt cylinders Ø 90/55 mm
- Timing corresponding to DIN ISO 7131
 - Lifting (with load) 5,6 s
 - Lowering (without load) 3,0 s
 - Tipping 90° 1,5 s
 - Tilting 45° 1,0 s

11.11.2 Swivel assembly hydraulics

- Output flow pump II (via accumulator valve) 38 l/min
- Operating pressure max. 210 bar
- 2 swivel cylinders Ø 100/45 mm
- Swivel time 180° 7,0 s

11.11.3 Support assembly

- Operating pressure lastabhängig
- 2 support cylinders
- Plunger diameter 60 mm

11.12 Fuel supply system

- Volume
- Fuel tank 170 l

11.13 Heating and Ventilation System (Driver Cab)

- Water heater
- Type
- Heating capacity 3 levels
- Fan capacity 3 levels

11.14 Suction-Return Filter (Hydraulics)

- Filter granularity corresponding to ISO 4572 10 µm abs.
- By-pass-Ansprechdruck p = 3,0 bar

11.15 Electrical Contamination Display

- Actuating pressure p = 2,5 bar

11.16 Oil Cooler (Combi-Cooler) with Thermostatically Controlled Valve

- Capacity	max. 30 kW
- Throughflow	43 l/min

11.17 Noise Emission**Type "20 km/h"**

Noise level (LWA)	
Noise external:	106 dB(A)
In-band accoustic level (LpA)	
Noise level in cab:	81 dB(A)

Type "25 km/h"

Noise level (LWA)	
Noise external:	dB(A)
In-band accoustic level (LpA)	
Noise level in cab:	dB(A)

Type "40 km/h"

Noise level (LWA)	
Noise external:	106 dB(A)
In-band accoustic level (LpA)	
Noise level in cab:	83 dB(A)

11.18 Options**11.18.1 Air-Conditioning Unit (Driver Cab)**